

Supplementary Material

Unsurpassed cage effect for the photolysis of dibenzyl ketones in water-soluble dendrimers

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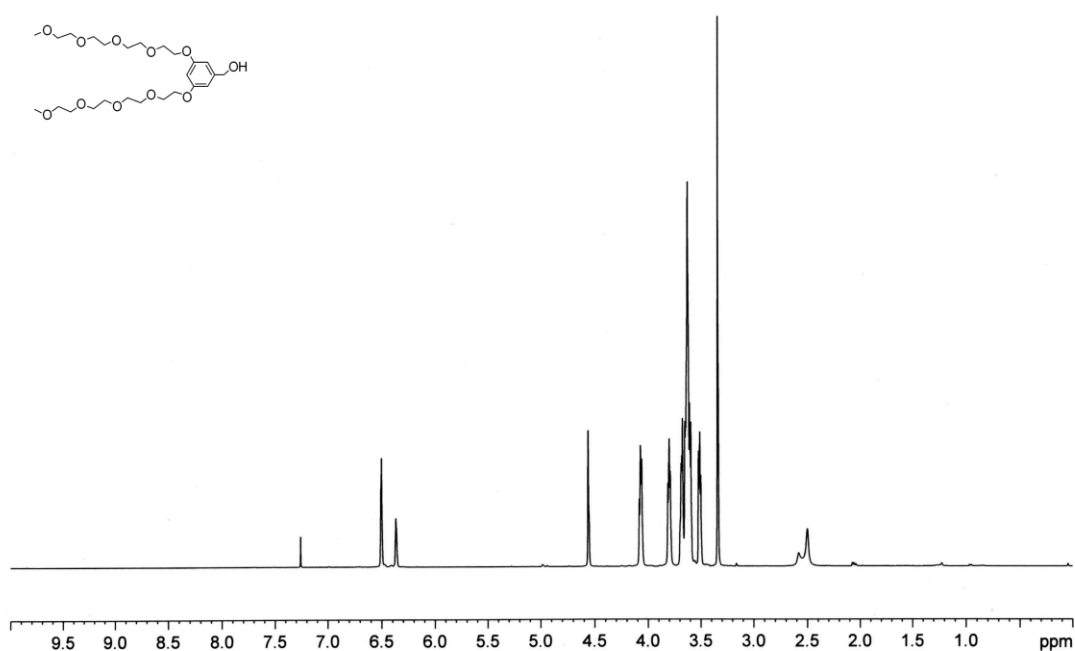


Figure S1. ¹H NMR spectrum (400MHz, CDCl₃) of G1-OH (2)

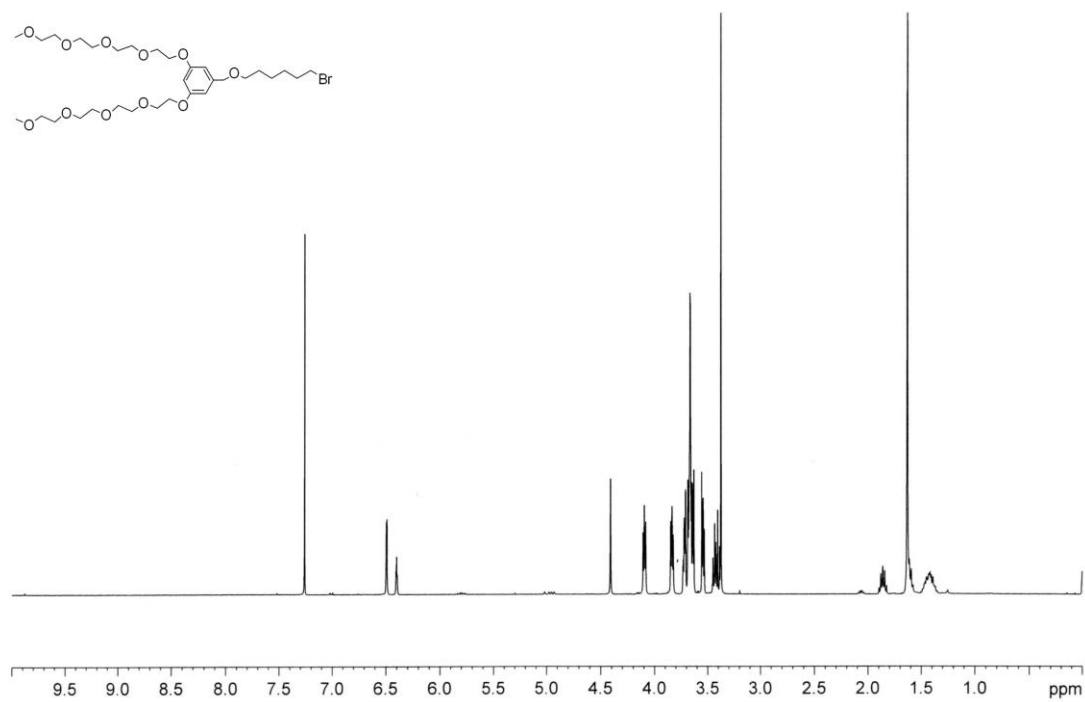


Figure S2. ¹H NMR spectrum (400MHz, CDCl₃) of G1-Br (**3**)

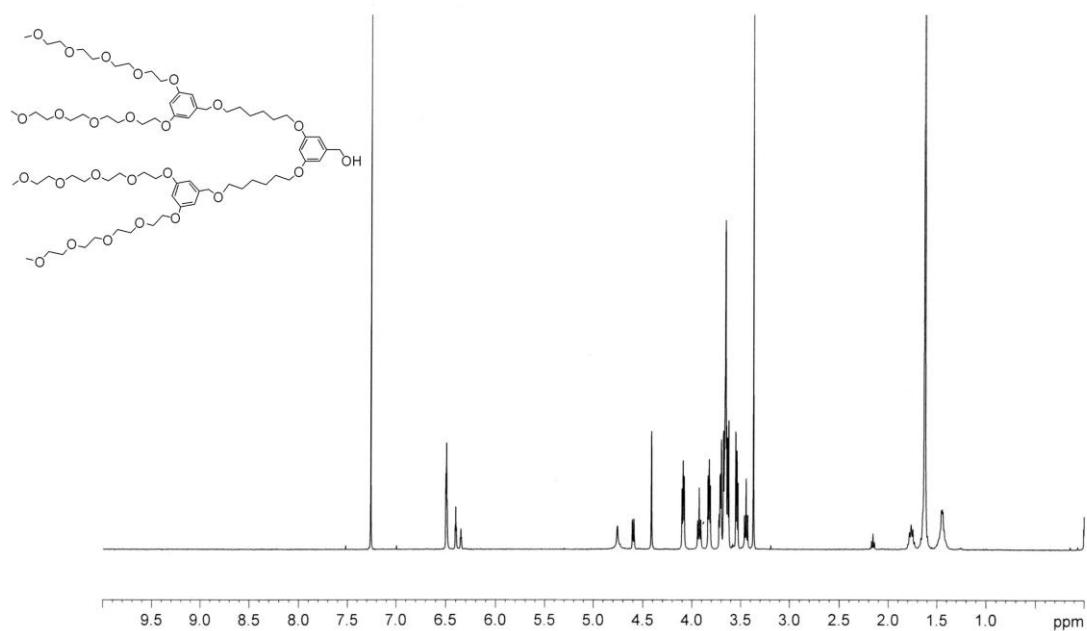


Figure S3. ¹H NMR spectrum (400MHz, CDCl₃) of G2-OH (**4**)

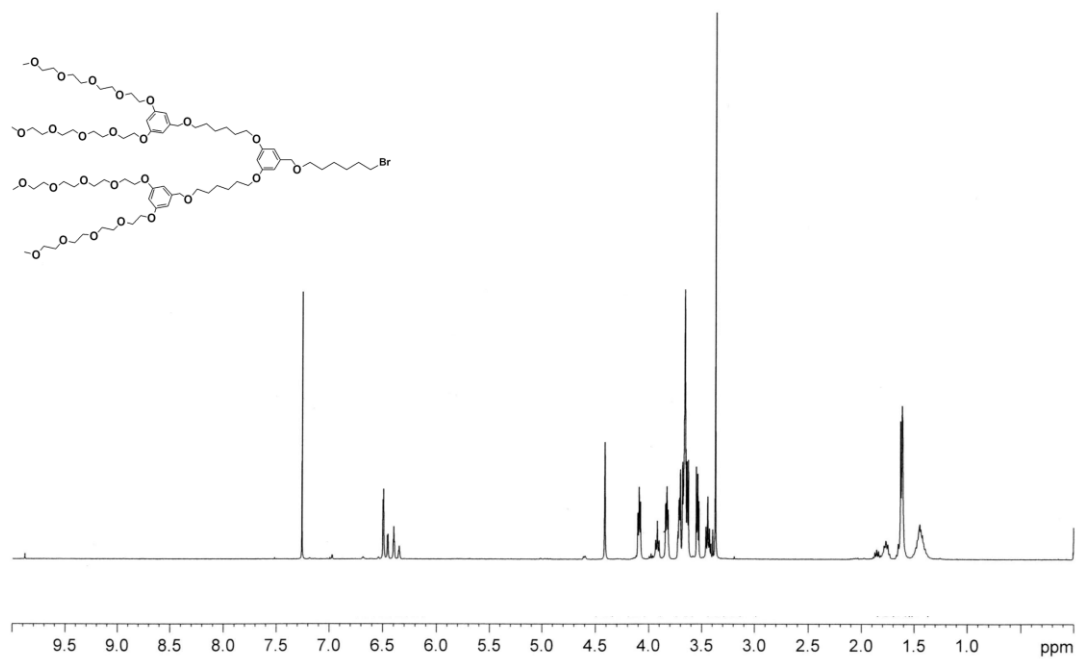


Figure S4. ¹H NMR spectrum (400MHz, CDCl₃) of G2-Br (5)

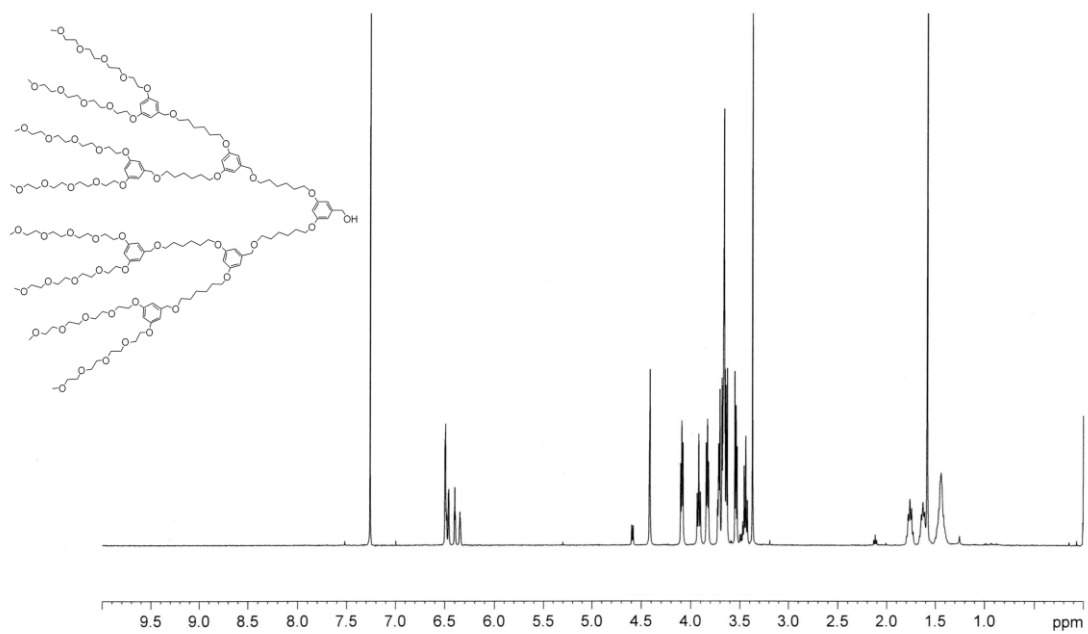


Figure S5. ¹H NMR spectrum (400MHz, CDCl₃) of G3-OH (6)

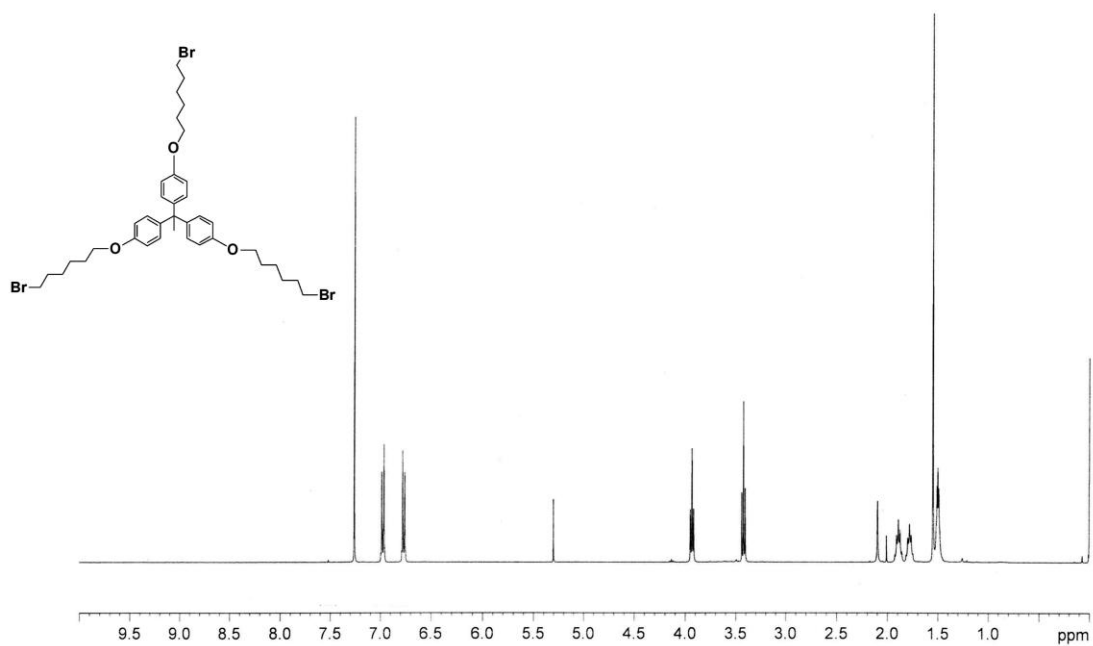


Figure S6. ¹H NMR spectrum (400MHz, CDCl₃) of Core (7)

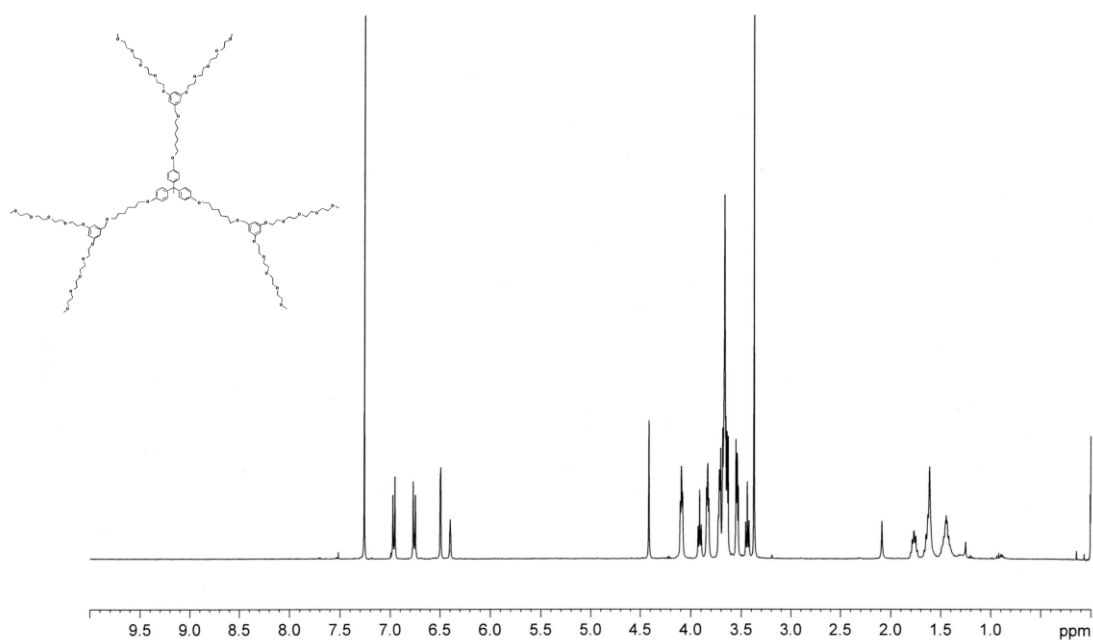


Figure S7. ¹H NMR spectrum (400MHz, CDCl₃) of G1 dendrimer

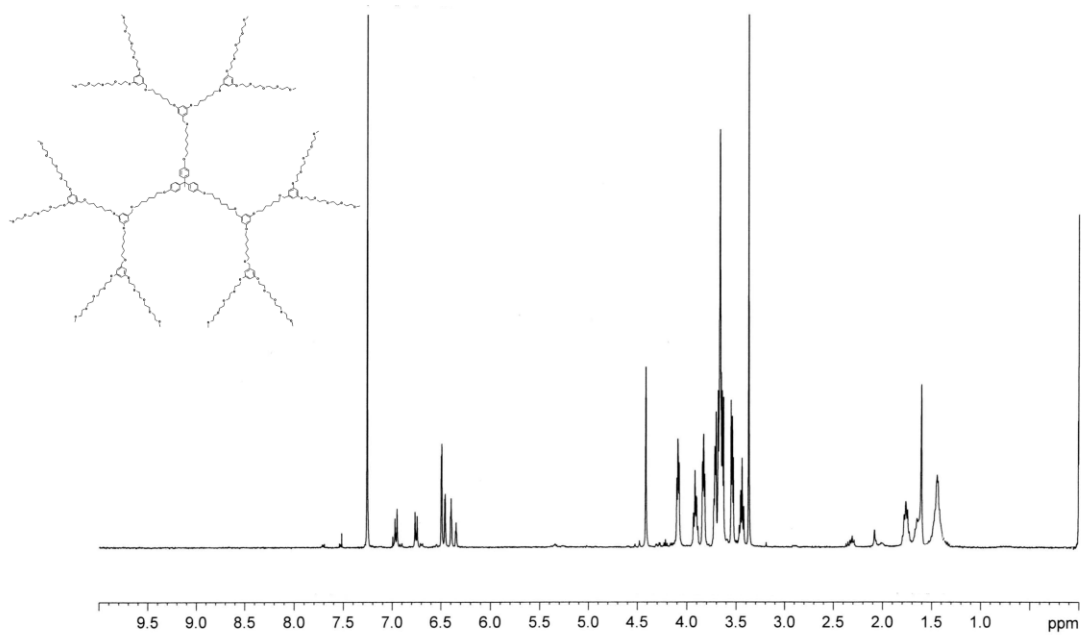


Figure S8. ¹H NMR spectrum (400MHz, CDCl₃) of G2 dendrimer

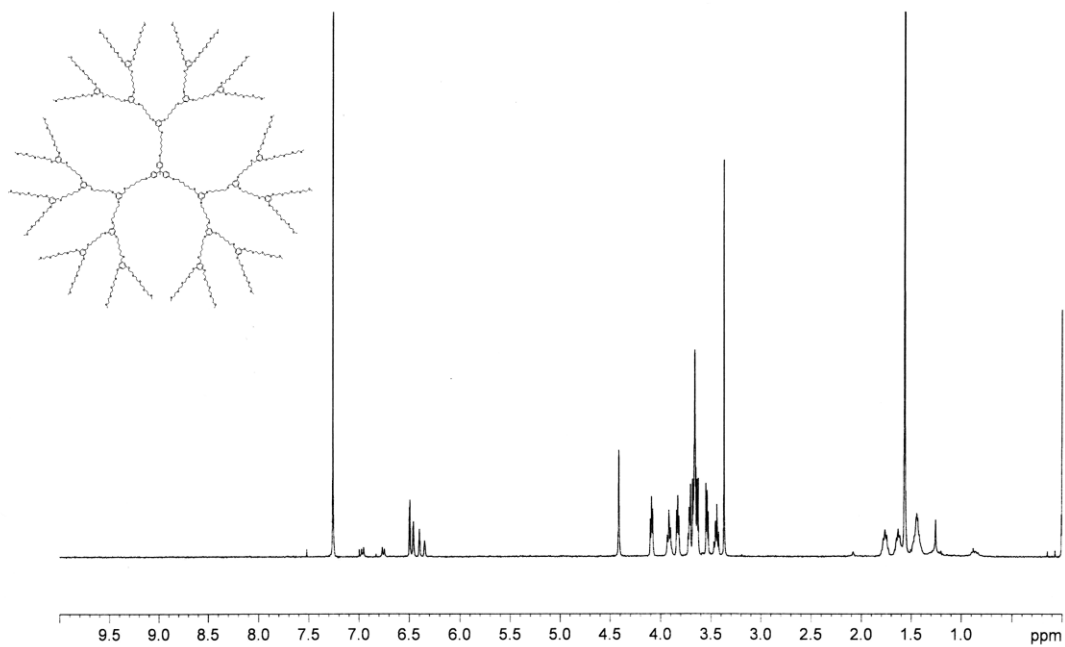


Figure S9. ¹H NMR spectrum (400MHz, CDCl₃) of G3 dendrimer

G1

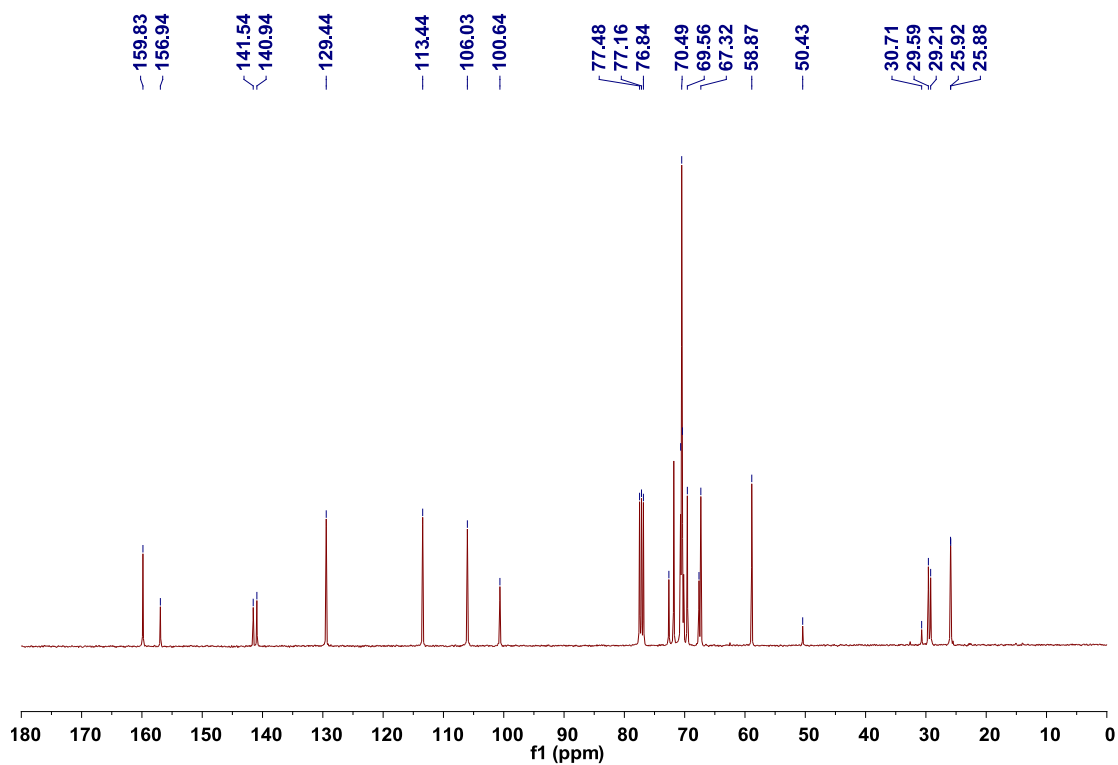


Figure S10. ¹³C NMR spectrum (100MHz, CDCl₃) of G1 dendrimer

G2

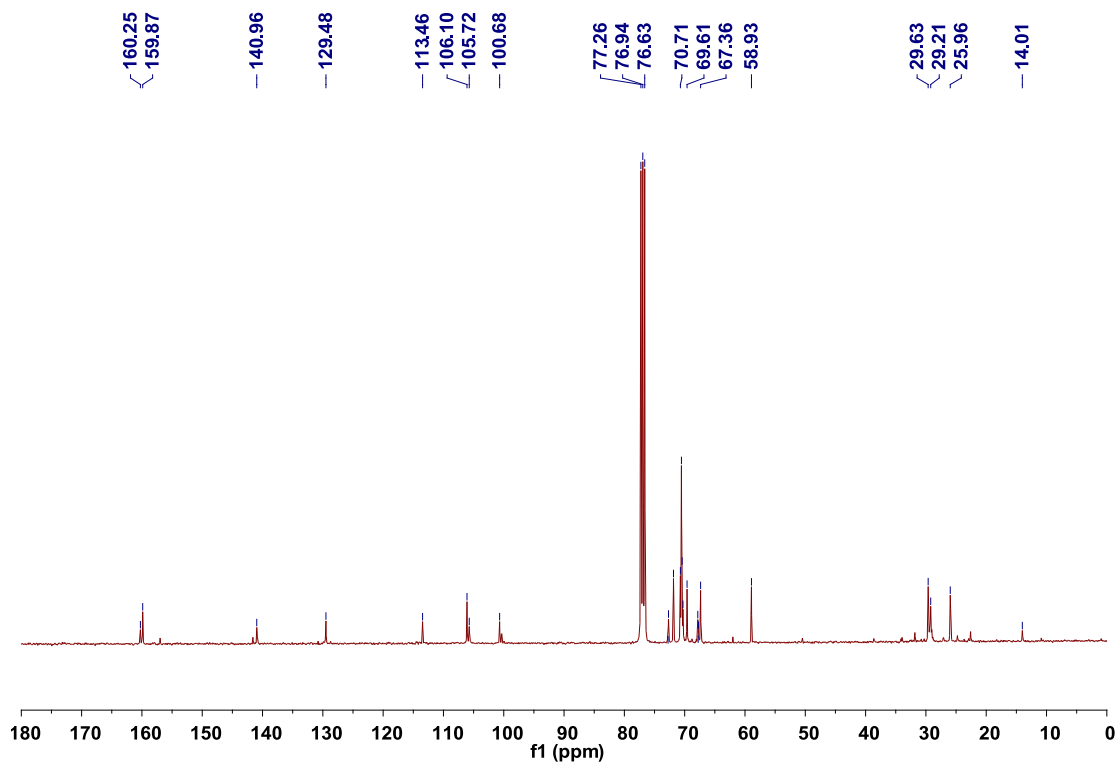


Figure S11. ¹³C NMR spectrum (100MHz, CDCl₃) of G2 dendrimer

G3

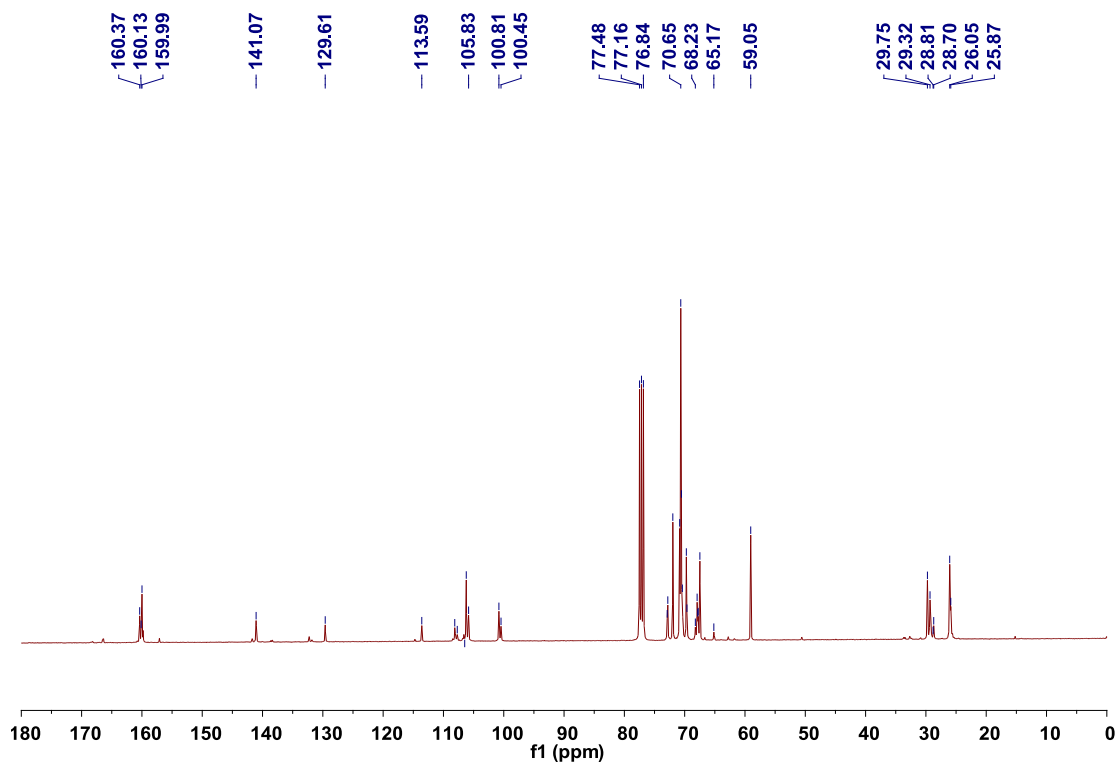


Figure S12. ^{13}C NMR spectrum (100MHz, CDCl_3) of G3 dendrimer

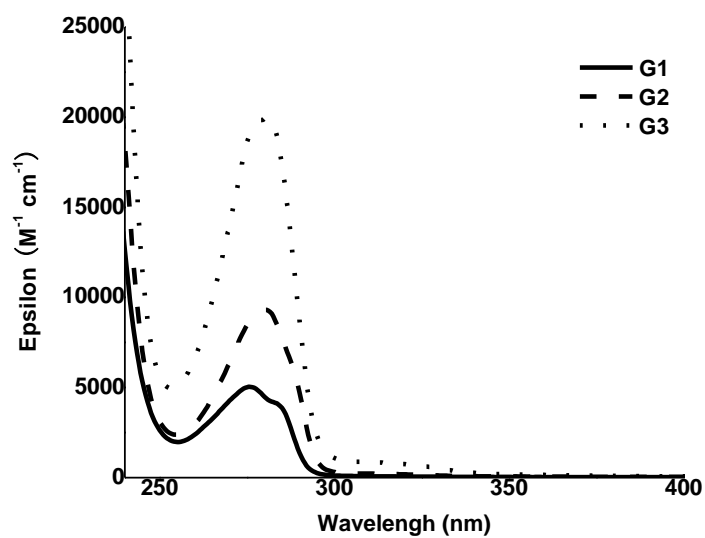


Figure S13. Absorption spectra of G1 to G3 dendrimers in aqueous solution.

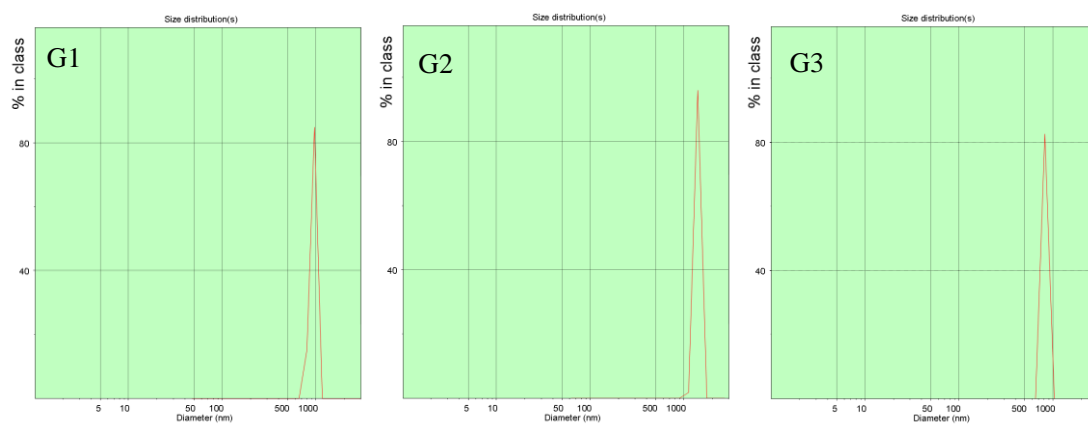


Figure S14. DLS size distribution profiles: [G1] = 1.6 mM; [G2] = 0.8 mM; [G3] = 0.4 mM